



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-16-M512-12_7-X-THINUX-KM



Unleash powerful, reliable computing in the tiniest footprint.

Engineered for demanding environments, the Thinvent® Aero Mini PC delivers robust performance without the bulk. Its whisper-quiet, fanless design and industrial-grade construction ensure uninterrupted operation where it matters most.

Ideal applications

- Digital signage and interactive kiosks in retail or public spaces.
- A dedicated control centre for manufacturing equipment or process automation.
- A compact server for network management and monitoring tasks.
- A resilient workstation for logistics, warehousing, or field operations.

Why choose the Aero Mini PC

- **Uncompromising reliability:** Built with industrial components for 24/7 operation in varied temperatures, free from the dust and failure points of standard fans.

- **Simplified connectivity:** Dual Gigabit Ethernet ports provide robust, wired network integration essential for industrial networks and secure data transfer.
 - **Ready for integration:** Ships with our streamlined Thinix™ operating system, pre-loaded with essential tools for remote management, office tasks, and custom application support, getting you up and running faster.
 - **Space-saving design:** Its ultra-compact form factor installs effortlessly behind screens, in control cabinets, or on cramped workspaces, freeing up valuable real estate.
- Choose the Thinvent Aero Mini PC. It's the solid, dependable, and powerful computing core your industrial application needs.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
Front USB 2.0	4
Front USB C	1
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

ENVIRONMENTAL

Operating Temperature	0°C ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

Form Factor	Mini PC
Dimensions	198mm × 187mm × 40mm
Housing Material	Steel and ABS Plastic
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	2.23kg, 2.23kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE				
Aero-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		m512 = 512GB	
	m1024 = 1TB		S32 = 32GB MLC	
	S128 = 128GB		S256 = 256GB	
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		KM = Keyboard and Mouse set	
	MK = Mechanical Keyboard		Mo = Wired Optical Scroll Mouse	

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